

U.S. EPA CERCLA SECTION 104(e) INFORMATION REQUEST QUESTIONS and RESPONSES

Site: Lower Duwamish Waterway Superfund Site (LDW), Seattle, WA

DERP-FUDS Site Number F10WA044200, Seattle Transportation Corps Storage Site,
Seattle, WA

1. Respondent Information

a. Provide the full legal name and mailing address of the Respondent.

Colonel Anthony Wright
District Commander, USACE Seattle District
P.O. Box 3755
Seattle, WA 98124

b. For each person answering these questions on behalf of Respondent, provide:

- i. full name;**
- ii. title;**
- iii. business address; and**
- iv. business telephone number and FAX machine number.**

The information requested for each of the persons responsible for answering these questions is provided under separate cover for personal privacy purposes.

c. If Respondent wishes to designate an individual for all future correspondence concerning this matter, please indicate here by providing that individual's name, address, telephone number and fax number.

Colonel Anthony Wright
District Commander, USACE Seattle District
P.O. Box 3755
Seattle, WA 98124
Tel: 206-764-3690
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d. State the dates during which the Department of Defense (DOD) held any property interests at or within one-half mile of the FUDS.

The dates during which DOD held property interests for this site is as shown on the spreadsheet included on the CD provided with this response. To the extent available, documents showing when the site was acquired and disposed of are hyperlinked to the spreadsheet.

e. State the dates during which DOD conducted any activities at or within one-half mile of the FUDS.

Between 1943 and 1969, DOD may have conducted activities at or within one-half mile of the FUDS. Seven to eight acres, however, are still used by GSA for parking for the U.S. Army Corps of Engineers, Seattle District.

See the following documents available on the CD provided with this response:

- Tract register, Office of the Chief of Engineers, of Boeing Seattle Plant No. 12, Storage Site, date of directive – June 12, 1957 and June 28, 1960.
- Transfer of Construction, USACE, Seattle, Former Army Storage Site, dated Jan. 11, 1961.
- Memorandum, for Secretary of the Air Force, from Sec. of the Army, re: transfer of Seattle Trans. Corps Storage Site, WA, from Dept. of the Army to the Dept. of the Air Force, dated Oct. 28, 1960.
- DERP FUDS, Findings and Determination of Eligibility, Boeing Seattle Plant No. 12, Findings of Fact, Seattle, WA, undated and unsigned.
- DERA, Inventory Project Report, Boeing Seattle Plant No. 12, WA, dated Aug. 1, 1986.
- DERP Disposition Form, for Boeing Seattle Plant No. 12, indicating site survey complete, dated Nov. 5, 1986.
- DERA Real Estate Report, Boeing Seattle Plant No. 12, USACE, Seattle, undated.
- Design drawing, by Dept. of the Army, of Seattle Trans. Corps Storage Site, Military Reservation; (redraft) dated Jan. 30, 1953.
- DERP FUDS, Findings and Determination of Eligibility, Seattle Trans. Corps Storage Site, Findings of Fact, undated and unsigned.
- DERP FUDS, Site Screening Process, Work Sheet, for Seattle QM Depot, Seattle General Depot, Seattle Trans. Corps, Boeing Plant No. 12, and now known as Seattle District Engineer Office, dated Nov. 1986.

f. Describe the nature of DOD's activities at the FUDS or within one-half mile of the FUDS.

DOD's activities at or within one-half mile of the FUDS site included the following:

- Between 1942 and 1944, negotiations and condemnations were made to consolidate property needed for construction of 3 warehouses to be used for storage of all general supplies and materials under Seattle General Depot for the Dept. of the Army QM Corp.
- Activities associated with Army QM Corp continued until 1947, at which time the Trans. Corps began use of the area for vehicle storage, fleet supplies, and support equipment which continued until 1957 (although a

minor portion of the facility remained under Seattle Trans. Corps until 1960).

- From 1957 to 1969, the FUDS was used to store materials and supplies used in missile research development and production associated with Boeing Seattle Plant No. 12, and later, Air Force Plant No. 75.
- Boeing Seattle Plant No. 12 is synonymous with Boeing Plant Storage Site, Seattle QM Depot, and Seattle General Depot.

See the following documents available on the CD provided with this response:

- Memorandum, to Chief of Engineers, from Acting Chief of Staff, USAF, re: Warehouses 3, 4, and 5, Seattle Trans. Corps Area, Seattle, WA, dated June 12, 1957.
- Transfer of Construction, USACE, Seattle, Former Army Storage Site, dated Jan. 11, 1961.
- Memorandum, for Secretary of the Air Force, from Sec. of the Army, re: transfer of Seattle Trans. Corps Storage Site, WA, from Dept. of the Army to the Dept. of the Air Force, dated Oct. 28, 1960.
- DERP FUDS, Findings and Determination of Eligibility, Boeing Seattle Plant No. 12, Findings of Fact, Seattle, WA, undated and unsigned.
- DERA Real Estate Report, Boeing Seattle Plant No. 12, USACE, Seattle, undated.
- DERP Disposition Form, for Boeing Seattle Plant No. 12, indicating site survey complete, dated Nov. 5, 1986.
- DERA, Inventory Project Report, Boeing Seattle Plant No. 12, Index, dated Aug. 1, 1986.
- Design drawing, by Dept. of the Army, of Seattle Trans. Corps Storage Site, Military Reservation; (redraft) dated Jan. 30, 1953.
- DERP FUDS, Findings and Determination of Eligibility, Seattle Trans. Corps Storage Site, Findings of Fact, undated and unsigned.
- DERP FUDS, Site Screening Process, Work Sheet, for Seattle QM Depot, Seattle General Depot, Seattle Trans. Corps, Boeing Plant No. 12, and now known as Seattle District Engineer Office, dated Nov. 1986.
- Realty Control File Summary, for Seattle Trans. Corps Storage Site, Seattle, WA, Seattle District Engineer Office, undated.
- Original acquisition of permits, Boeing Plant No. 12, Transfer from Seattle Trans. Corps Storage Site, dated Oct. 28, 1960.
- Unclassified memorandum, from USACE North Pacific Division, Portland, OR to USACE, D.C., re: Dist. ENGR USAENGR, Seattle, WA, dated June 28, 1960.
- Memorandum, for Sec. of the Air Force, from Sec. of the Army, re: transfer of Seattle Trans. Corps Storage Site, WA, from Dept. of the Army to the Dept. of the Air Force, dated Oct. 28, 1960.

- g. In relation to your answer to the previous question, identify all materials used or created by DOD's activities at the FUDS, including raw materials, commercial products, building debris, and other wastes.**

In relation to our answer to Question 1.f. above, all known materials used or created by DOD's activities at the FUDS, including raw materials, commercial products, building debris, and other wastes include:

- All general supplies and materials under Seattle General Depot for the Dept. of the Army QM Corp. vehicles, fleet supplies, and support equipment, materials and supplies used in missile research development, and production associated with Boeing Plant No. 12, and later Air Force Plant No. 75.
- Specific materials and building debris known to be associated with the FUDS includes: lumber storage sheds (6592 sq. ft), guard houses (41 sq. ft., 44 sq. ft., and 44 sq. ft.), wooden warehouses (No. 3 at 1560' by 180', No. 4 at 960' by 180', and No. 5 at 840' by 180'), offices, oil storage shed, paint storage, inflammable materials storage buildings (12,406 sq. ft., and 2196 sq. ft.), gas station (gas tank of 6700 gal, pumps), underground storage tanks (800 gal, 2000 gal), fences (8431 sq. ft.), pipelines, open storage (concrete 25,162 sq. yd., asphalt 1750 sq. yd., and gravel 9769 sq. yd), 53 poles, 34 floodlights, 25 street lights, 17 transformers, storm sewer (9695'), sanitary sewer (8525'), water distribution (10,811'), roads (concrete 2895 sq. yd., asphalt 4739 sq. yd., gravel 15,522 sq. yd), and parking (SP (1491 sq. yd., gravel 1474 sq. yd.)).

See the following documents available on the CD provided with this response:

- Transfer of Construction, USACE, Seattle, Former Army Storage Site, dated Jan. 11, 1961.
- Memorandum, for Sec. of the Air Force, from Sec. of the Army, re: transfer of Seattle Trans. Corps Storage Site, WA, from Dept. of the Army to the Dept. of the Air Force, dated Oct. 28, 1960.
- DERP FUDS, Findings and Determination of Eligibility, Seattle Trans. Corps Storage Site, Findings of Fact, undated and unsigned.
- Disposition Form, from Sec. of War, to USACE, re: Lumber Storage Area, Seattle, WA, dated Sep. 4, 1947.
- Transfer of New Construction, Station: Seattle District, COE, dated Aug. 7, 1950.
- Transfer of New Construction, Post: District Engineer, Seattle, WA, re: transfer of parking area Space, dated June 27, 1949.
- Documentation of Transfer to Dept. of AF of 31.34 acres of fee-owned land and 3.32 acres of lesser interest area under primary jurisdiction of the Dept. of Army at Seattle Trans. Corps Storage Site, Seattle, WA, undated.
- Property Identification, Army Improvements for Transfer to Air Force, Seattle Trans. Corps Storage Site, Seattle, WA, undated.
- See also the references listed in our response to Question 1.f. above.

2. Site Activities and Interests

- a. Provide all documents in your possession or accessible to you regarding the ownership of the FUDS before, during and after DOD control, including, but not limited to, copies of deeds, sales contracts, leases, blueprints, “as-builts” and photographs.**

Any documents showing ownership or other real estate interests by DOD for the FUDS are hyperlinked to the spreadsheet included on the CD provided with this response.

- b. Provide all documents in your possession or accessible to you regarding environmental conditions at the FUDS before, during and after the relevant time period (see Definitions). “Environmental conditions” includes information relating to soil, sediment, water (ground and surface), and air quality. This may include, but not be limited to:**

- i. Any spill, leak, release or discharge of a hazardous substance, waste, or material at or near the FUDS;**

There is no documentation available indicating that any spill, leak, release, or discharge of a hazardous substance, waste, or material occurred at or near the FUDS.

- ii. Occurrences of violations, citations, deficiencies, and/or accidents concerning the FUDS;**

There is no information available regarding any occurrences of violations, citations, deficiencies, and/or accidents that may have occurred at the FUDS. The closest potentially pertinent document vaguely states that an action to transfer the FUDS from the Chief of Trans. To the Chief of Engineers was deferred pending resolution of a related action concerning pier 36. This document includes the following statement, “the problem concerning pier 36 has now been resolved” so that the action would then be initiated to transfer as proposed. No other mention of pier 36 appears in available documentation, and it is unknown as to what the nature of the stated “problem” was.

See the following document available on the CD provided with this response:

- Disposition Form, re: Seattle Army Terminal, from Deputy Chief of Staff for Logistics to Chief of Engineers, dated March 1, 1960.

- iii. Remediation or removal of contaminated soils, sediments, or other media at the FUDS; and**

There is no documentation available indicating that any remediation or removal of contaminated soils, sediments, or other media occurred at the FUDS.

iv. Investigations, inspections, sampling, and any associated reports regarding the FUDS and surrounding area.

Available documentation regarding any investigations, inspections, sampling and any associated reports regarding the FUDS and surrounding area is limited to the following: a site visit that occurred on April 17, 1986 by Robert S. Andersen (R.S. Andersen/Land Use Planning), Anton M. Fackelman (Tetra Tech, Inc.), and Ken Crooker (Warehouse Manager, Port of Seattle).

See the following document available on the CD provided with this response:

- DERA, Inventory Project Report, Boeing Seattle Plant No. 12, Index, dated Aug. 1, 1986.

c. Provide information on the condition of the FUDS when purchased or at the beginning of the relevant time period; describe the source, volume, and content of any fill material used during the construction of the buildings, including waterside structures such as seawalls, wharves, docks or marine ways. Additionally, describe any subsequent improvements, alteration, demolitions or additions to the physical structures or the property itself.

Limited information is available regarding the condition of the FUDS when purchased or at the beginning of the relevant time period, or regarding source, volume, and content of any fill material used during the construction of the buildings. The FUDS lies within the former Duwamish River Flood plain which over a period of many decades has been filled and subject to intense industrial development. There is no documentation available, however, regarding any fill material removed or used during DOD's activities at the FUDS. Prior to the Trans. Corps activities, between 1942 and 1944, negotiations and condemnations were made to consolidate property needed for construction of 3 warehouses to be used for storage of all general supplies and materials under Seattle General Depot and Dept. of the Army QM Corp. Little information is available regarding the extent of subsequent improvements, alterations, demolitions, or additions to the physical structures or the property itself during the time of DOD's activities at the FUDS. Permits referenced herein describe the alteration of the fence perimeter and maintenance of existing sewer lines. In 1979, subsequent to FUDS activities, the Port of Seattle demolished Warehouse No. 4 and adjacent structures, and graded the site for storage or containerized cargo. Following the 1986 field investigation, the Port began demolition of Warehouse No. 5 and adjacent structures.

See the following documents available on the CD provided with this response:

- DERA, Inventory Project Report, Boeing Seattle Plant No. 12, Index, dated Aug. 1, 1986.
- Design drawing, by Dept. of the Army, of Seattle Trans. Corps Storage Site, Military Reservation; (redraft) dated Jan. 30, 1953.
- Disposition Form, from Sec. of War, to USACE, re: Lumber Storage Area, Seattle, WA, dated Sep. 4, 1947
- Transfer of New Construction, Station: Seattle District, COE, dated Aug. 7, 1950.
- Memorandum, to USACE, DE, Seattle, WA from Commanding Officer, CWO, USA, re: HQ, Seattle Port of Embarkation, dated Aug. 26, 1952.
- Tract Register, OCE, Real Estate, for Seattle Trans. Corps Storage Site, dated Sep. 4, 1947.
- Letter, from War Assets Admin., to District Engineer, OCE Seattle District, re: Seattle General Depot, WD-1141, dated Dec. 17, 1947.
- Permit (No. D 5298), from City of Seattle, Dept. of Public Works, to COE, Seattle District, to maintain existing sewer line on east side of Ohio Ave. between W. Alaska Street and Diagonal Ave, dated Dec. 15, 1952.
- Notice, from City of Seattle, Bd. of Public Works to COE, Seattle District, re: granting of Permit (No. D 5298), dated Dec. 10, 1952.
- Transfer of New Construction, Post: District Engineer, Seattle, WA, re: transfer of parking area Space, dated June 27, 1949.
- Disposition Form, re: Seattle Army Terminal, from Deputy Chief of Staff for Logistics to Chief of Engineers, dated March 1, 1960.
- Documentation of Transfer to Dept. of AF of 31.34 acres of fee-owned land and 3.32 acres of lesser interest area under primary jurisdiction of the Dept. of Army at Seattle Trans. Corps Storage Site, Seattle, WA, undated.
- Property Identification, Army Improvements for Transfer to Air Force, Seattle Trans. Corps Storage Site, Seattle, WA, undated.
- Transfer of Construction, USACE, Seattle, Former Army Storage Site, dated Jan. 11, 1961.
- Narrative Statement of Outstanding Interests, Seattle Trans. Corps Storage Site, WA, by Chief, RE Division, USACE, dated Jan. 6, 1959.
- See also references listed in our response to Question 1.f., above.

- d. **Provide a brief summary of the activities conducted at the FUDS while under DOD's ownership or operation. Include any diagrams or charts of the activities conducted.**

While under DOD's ownership or operation, beginning in 1947, the Transportation Corps began use of the area for storage of vehicles, fleet supplies, and support equipment which continued until 1957 (although a minor portion of the facility remained under Seattle Transportation Corps control until 1960).

See references listed in our response to Questions 1.e. and 1.f. above.

- e. **Provide all documents pertaining to sale, transfer, delivery, or disposal, of any hazardous substances, scrap materials, and/or recyclable materials at or to the FUDS.**

There is no documentation available pertaining to the sale, transfer, delivery, or disposal, of any hazardous substances, scrap materials, and/or recyclable materials at or near the FUDS.

- f. **Provide all information or electrical equipment used at the FUDS, including transformers or other electrical equipment that may have contained polychlorinated biphenyls (PCBs).**

Available documentation regarding electrical equipment used at the FUDS provides limited information pertaining to 17 transformers that may have contained PCBs. The extent of electrical system information including, but not limited to, transformers is as follows: ADT alarm system, electrical power transformers (one 5-KVA, and sixteen 7640-KVA's), Electric Distribution Lines (14,655'), 25 street lights, and 34 flood lights.

See the following documents available on the CD provided with this response:

- Permit, from Dept. of the Army, to other Fed. Govt. Dept. or Agency to use property on Seattle Trans. Corps Storage Site, Seattle, WA, granted to Dept. of the Air Force, for a period of 5 years – beginning Sep. 15, 1957 and ending on Sep. 14, 1962.
- Design drawing, by Dept. of the Army, of Seattle Trans. Corps Storage Site, Military Reservation; (redraft) dated Jan. 30, 1953.
- Memorandum, for Sec. of the Air Force, from Sec. of the Army, re: transfer of Seattle Trans. Corps Storage Site, WA, from Dept. of the Army to the Dept. of the Air Force, dated Oct. 28, 1960.
- DERP FUDS, Findings and Determination of Eligibility, Seattle Trans. Corps Storage Site, Findings of Fact, undated and unsigned.
- Map, by Dept. of the Army, Office of Seattle District Engineer, North Pacific Division, Real Estate, of Seattle Trans. Corps Storage Site, drafted July 14, 1960.
- Property Identification, Army Improvements for Transfer to Air Force, Seattle Trans. Corps Storage Site, Seattle, WA, undated.
- Permit (No. D 5298), from City of Seattle, Dept. of Public Works, to COE, Seattle District, to maintain existing sewer line on east side of

Ohio Ave. between W. Alaska Street and Diagonal Ave, dated Dec. 15, 1952.

- Narrative Statement of Outstanding Interests, Seattle Trans. Corps Storage Site, WA, by Chief, RE Division, USACE, dated Jan. 6, 1959.

g. Provide information on the type(s) of oils or fluids used for lubrication of machinery or other industrial purposes, and any other chemicals or products which are or may contain hazardous substances which are or were used at the FUDS for facility operations.

There is no documentation of oils or fluids used for lubrication of machinery or other industrial purposes at the FUDS for facility operations. There is limited documentation available regarding the presence of any other chemicals or products which may have been used that may have contained hazardous substances at the FUDS for facility operations, including or relating to the following items: gasoline station (144 sq. ft.), two underground fuel tanks (one at 800 gal., and one at 2000 gal.), gasoline tank (6700 gal.), heating fuel oil staging, oil storage shed, items associated with two inflammable storage buildings (flammables), paint storage shed, and 17 transformers (possible source of PCBs).

See the following documents available on the CD provided with this response:

- Transfer of Construction, USACE, Seattle, Former Army Storage Site, dated Jan. 11, 1961.
- Memorandum, for Sec. of the Air Force, from Sec. of the Army, re: transfer of Seattle Trans. Corps Storage Site, WA, from Dept. of the Army to the Dept. of the Air Force, dated Oct. 28, 1960.
- Map, by Dept. of the Army, Office of Seattle District Engineer, North Pacific Division, Real Estate, of Seattle Trans. Corps Storage Site, drafted July 14, 1960.
- DERP FUDS, Findings and Determination of Eligibility, Seattle Trans. Corps Storage Site, Findings of Fact, undated and unsigned.
- Property Identification, Army Improvements for Transfer to Air Force, Seattle Trans. Corps Storage Site, Seattle, WA, undated.

h. Provide any site drainage descriptions, plans or maps that include information about storm drainage which includes, but is not limited to, above or below surface piping, ditches, catch basins, manholes, and treatment/detention or related structures including outfalls. If available, also include information about connections to sanitary sewer.

There is limited available information regarding site drainage descriptions, storm drainage, or sanitary sewer connections at the FUDS. Available information includes a map, dated Jan. 30, 1953 depicting the location of sewer line permit no. D 5298 (dated Dec. 15, 1952), and an inventory of "feature" materials present on the site, including sanitary sewer piping

(8525'), store sewer piping (9695'), manholes, outfalls, catch basins, water distribution lines (10,811'), and water mains, including 925' by 12", 1425' by 10", 2075' by 8", and 4100' by 6".

See the following documents available on the CD provided with this response:

- Transfer of Construction, USACE, Seattle, Former Army Storage Site, dated Jan. 11, 1961.
- Memorandum, for Sec. of the Air Force, from Sec. of the Army, re: transfer of Seattle Trans. Corps Storage Site, WA, from Dept. of the Army to the Dept. of the Air Force, dated Oct. 28, 1960.
- Map, by Dept. of the Army, Office of Seattle District Engineer, North Pacific Division, Real Estate, of Seattle Trans. Corps Storage Site, drafted July 14, 1960.
- DERP FUDS, Findings and Determination of Eligibility, Seattle Trans. Corps Storage Site, Findings of Fact, undated and unsigned.
- Tract Register, OCE, Real Estate, for Seattle Trans. Corps Storage Site, dated Sep. 4, 1947.
- Permit (No. D 5298), from City of Seattle, Dept. of Public Works, to COE, Seattle District, to maintain existing sewer line on east side of Ohio Ave. between W. Alaska Street and Diagonal Ave, dated Dec. 15, 1952.
- Notice, from City of Seattle, Bd. of Public Works to COE, Seattle District, re: granting of Permit (No. D 5298), dated Dec. 10, 1952.
- Documentation of Transfer to Dept. of AF of 31.34 acres of fee-owned land and 3.32 acres of lesser interest area under primary jurisdiction of the Dept. of Army at Seattle Trans. Corps Storage Site, Seattle, WA, undated.
- Property Identification, Army Improvements for Transfer to Air Force, Seattle Trans. Corps Storage Site, Seattle, WA, undated.
- Narrative Statement of Outstanding Interests, Seattle Trans. Corps Storage Site, WA, by Chief, RE Division, USACE, dated Jan. 6, 1959.

- i. **With respect to past site activities, please provide copies of any stormwater or drainage studies, including data from sampling, conducted at the FUDS. Also provide copies of any Stormwater Pollution Prevention or Maintenance Plans or Spill Plans that may have been developed for operations or activities at the FUDS.**

There is no documentation in the possession and control of the DOD to indicate that any past site activities involved the conduction of any stormwater or drainage studies, or any data collection from sampling, at the FUDS. There also is no available documentation indicating the existence of any Stormwater Pollution Prevention or Maintenance Plans or Spill Plans that may have been developed for operations or activities at the FUDS.

3. Information About Others

- a. Describe any business relationship DOD may have had regarding the FUDS, or operations thereon, with others.**

See our response to Question 1.e, above, for descriptions of business relationships DOD may have engaged in at the FUDS.

- b. Provide the names and last known address of any tenants or lessees, the dates of their tenancy and a brief description of the activities they conducted while operation on the FUDS.**

Names and addresses, if disclosed by the documents in the possession and control of DOD, of any tenants or lessees of the site, and the dates of their tenancy and activities conducted are as shown in the Outgrant columns of the spreadsheet for the FUDS that has been included on the CD provided with this Response.

- c. If not already provided, identify and provide a last known address or phone number for all persons, including current and former employees or agents, other than attorneys, who have knowledge or information about the generation, use, purchase, storage, disposal, placement, or other handling of hazardous materials at, or transportation of hazardous materials to or from, the FUDS.**

DOD is not aware of any persons, including current and former employees or agents, whom have knowledge or information about the generation, use, purchase, storage, disposal, placement, or other handling of hazardous materials at, or transportation of hazardous material to or from, the FUDS. Furthermore, records discovered in this search did not identify the names, or addresses, of any such persons.

4. Compliance with This Request

- a. Describe all sources reviewed or consulted in responding to this request, including, but not limited to:**

- i. name and current job title of all individuals consulted;**
- ii. location(s) where all documents reviewed are currently kept.**

The sources reviewed or consulted in responding to this request include the following:

USACE Northwestern Division (Omaha, NE):

- DERP-FUDS Program Files;

USACE Kansas City District:

- DERP-FUDS Program Files

USACE Northwestern Division (Portland, OR) (formerly, North Pacific Division):

- DERP-FUDS Program Files

USACE Seattle District:

- Real Estate Division;
- Environmental Management Branch;
- Navigation Branch

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